

FIGURE 1

FIGURE 2B

FIGURE 3A

FIGURE 3B

FIGURE 3C

FIGURE 3D

FIGURE 4

FIGURE 5

FIGURE 6

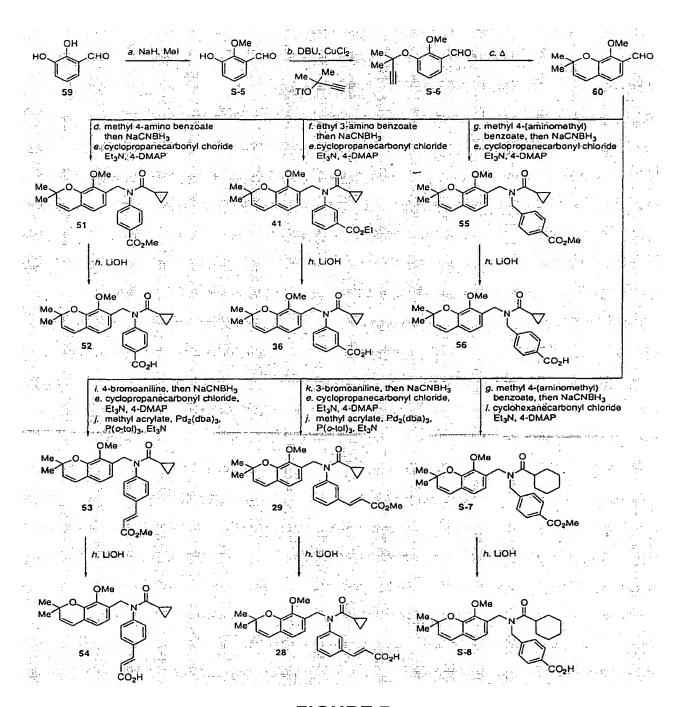


FIGURE 7

FIGURE 8

FIGURE 9

FIGURE 10

FIGURE 11

FIGURE 12

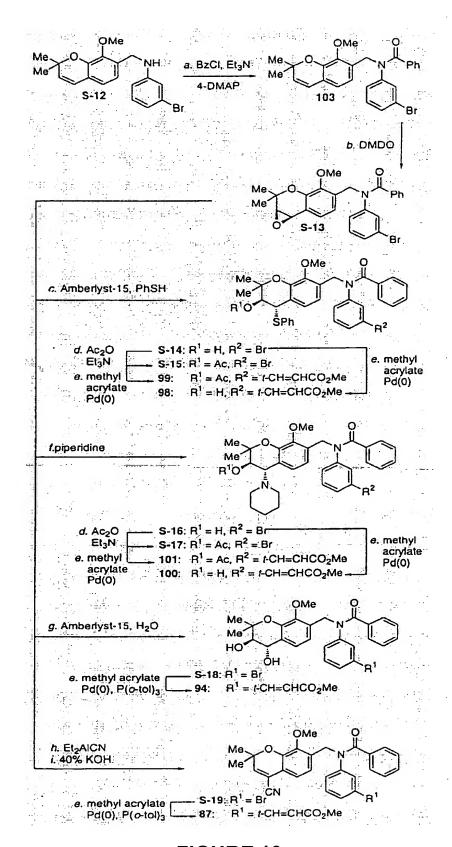


FIGURE 13

FIGURE 14

FIGURE 15

FIGURE 16

FIGURE 17

FIGURE 18

	i or		R	EC ₅₀ (nM)	RE
	~N	105 133	COOMe	127 256	2.12
		134 135	COO'Bu	>1000	1.06 0.50
18uO		136 137	CH2OME	243	1.68
Ö			CH ₂ OPH	2830	1.74 0.45
					i.
	JIII]			0
BuO.		-OMe		₅₀ = 274 nV ^a = 1.38	i
		TOME.	- 11	-1.30	·
0		O			

FIGURE 19A

FIGURE 19B

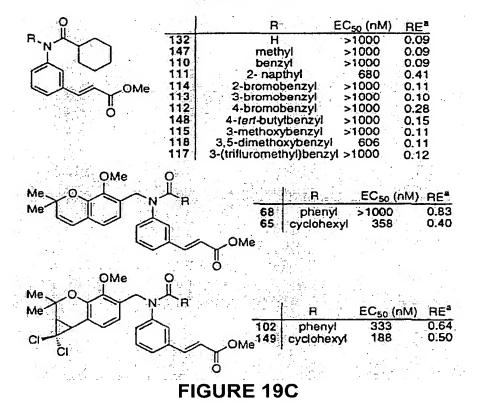


FIGURE 19D

FIGURE 20

FIGURE 21

FIGURE 22

FIGURE 23

FIGURE 24

FIGURE 25

FIGURE 26

FIGURE 27

	R.		~ [R ⁵		N P ⁶	OMe.			R ² .	R'	R ⁵			OMe		
=	R1	R ² R ³	R ⁴ .	H ⁵	R ⁶	EC ₅₀ (nM			$R^{t^{\vee}}$	R ²	R ³	R ⁴	R ⁵	R ⁶	EC ₅₀ (nM)	
174 175 176 177 178 179 180 181 182 183 184 185 186 189 191 192 193 194 195 196 197 120 200 201 202 203 206	нняооонниннян	R H H H H H H H H H H H H H H H H H H H	R4 H H H H H H H H H H H H H H H H H H H	П Н Н Н Н Н Н Н Н Н Н Н Н Н Н Н Н Н Н Н		342 2	0.83 0.37 0.10 0.12 0.14 0.15 1.41 1.09 0.59 0.13 0.13 0.35 0.70 0.31 0.94 0.79 0.21 1.41 1.17 0.69 0.30 0.14 1.15 1.33 1.38 1.36 1.36 1.36 1.36 1.39 0.61 0.53	213 214 215 216 217 221 221 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 240 241 242 242 243 244 245 246 247 248 249 249 249 249 249 249 249 249 249 249	H H H H H H H H H H H H H H H H H H H	F H H H H H H G C C C C C C C C C C C C C	FF. SME SMEHHHHHHHHHHHHHHME SME SMEHHHHHHHHHH	TITITITITITITITITITITITITITITITITITITI	TITITITITITITITITITITITITITITITITITITI	C++C++C++C++C++C++C++C++C++C++C++C++C++	72 249 8180 69 51 178 359 377 4010 284 661 101 72 1370 147 173 2350 89 97 144 94 77 1400 163 1330 2350 233 226 3080 233 226 129 3050 247 >10000 77 95	1.70 1.15 0.23 1.74 0.98 0.28 0.99 0.95 0.54 0.10 1.51 1.26 0.41 1.37 1.03 0.33 1.71 1.21 1.56 1.52 0.49 1.38 1.48 0.80 0.79 0.15 1.51 1.87 1.09 0.53 1.16 0.79 0.17 1.90 1.25 1.51 1.87 0.90 1.25 1.64 0.41 1.04 0.78 0.21 0.84 0.89 0.09 0.12 0.10
Me	\downarrow $\left[\cdot \right]$	J N	R	21 21	-CH(C	CH ₃) ₂ 228	0.32	258 259	OMe	H	H NMe ₂	H	OMe H	-NHCH(CH ₃ -C ₆ H ₁₁) ₂ 561 25	0.10 1.72
N	~~			OMe	-ı -NHC	H(CH ₃) ₂ 366	0.42	260	H	. н	NMe ₂	H	H	-CH(CH ₃) ₂ -NHCH(CH ₃	57. 162	1.07
-5		~					V	261	H	H	NMe ₂	; H	н	-C ₆ H ₁₁	132	1.38
			Č)				263 264	Н	H	1-Bu	H	H	-CH(CH ₃) ₂ -NHCH(CH ₃	343) ₂ 262	0.59 1.02

FIGURE 28

FIGURE 29

NHR response element Cell based Assay FXR/RXR on a FXRRE

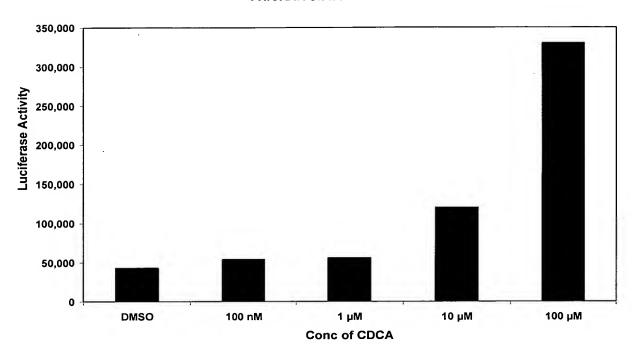


FIGURE 30